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## WHAT IS CLAIMED IS:

- 1. A process for sealing a polyurethane/geotextile composite in a canal or ditch, comprising dispensing a non-sagging polyurethane composition onto a seam of a polyurethane/geotextile composite and allowing the composition to cure, the non-sagging polyurethane composition comprising a reaction product of a mixture comprising:
  - a) a liquid polyisocyanate component;
  - b) 80-98% by weight, based on total weight of b) and c), of a liquid high molecular weight isocyanate reactive component comprising one or more hydroxyl group containing compounds having from about 2 to about 6 hydroxyl groups and a number average molecular weight of at least 250 and, 0-10% by weight, based on total weight of b), of a low molecular weight diol or triol having a hydroxy equivalent weight of from about 31 to 99;
  - 2-20% by weight, based on total weight of b) and c, of an isocyanate reactive compound containing at least two amine groups;

optionally,

d) one or more fillers in an amount of up to 80% by weight,
based upon the total weight of the non-sagging polyurethane composition; and

optionally,

- e) a catalyst.
- 25 2. The process of Clam 1, wherein the high molecular weight hydroxyl group containing compound of the liquid isocyanate reactive component b) has a number average molecular weight of from about 400 to about 4,000.
  - 3. The process of Claim 1 wherein isocyanate-reactive compound c) is selected from the group consisting of diamines, polyamines, amine terminated polyathers or combinations thereof
- 30 terminated polyethers or combinations thereof.

- 4. The process of Claim 1, wherein an organo-metalic catalyst is used as catalyst e).
- 5. The process of Claim 1, wherein the isocyanate reactive compoundc) has at least two aromatic amine groups.
- 5 6. The process of Claim 1, wherein the isocyanate reactive compoundc) has at least two alicyclic amine groups.
  - 7. The process of Claim 1, wherein the liquid isocyanate component a) is polymethylene poly (phenylisocyanate).
- 8. The process of Claim 1, wherein the high molecular weight hydroxyl group containing compound of the liquid isocyanate reactive component b) is a polyether.
  - 9. The process of Claim 8, wherein the polyether does not have any ethylene oxide units.
  - 10. The process of Claim 1, wherein 0% filler d) is included in the non-sagging polyurethane-forming mixtures.
  - 11. The process of Claim 1, wherein no catalyst e) is included in the non-sagging polyurethane-forming mixture.
  - 12. The process of Claim 1, wherein 0% low molecular weight diol or triol is included in the liquid isocyanate reactive component b).
- 13. The process of Claim 1, wherein the amounts of polyisocyanate and polyisocyanate reactive components used to produce the non-sagging polyurethane composition are such that an isocyanate index of from 140 to 90 is achieved.
- 14. The process of Claim 1, wherein the amounts of polyisocyanate and 25 polyisocyanate reactive components used to produce the non-sagging polyurethane are such that an isocyanate index range of from 110 to 100 is achieved.
  - 15. The process of Claim 1, wherein the liquid isocyanate reactive component b) and the isocyanate reactive compound c) are used in a ratio of 90:10 to 98:2.

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- 16. A process for patching a polyurethane/geotextile composite in a canal or a ditch comprising dispensing a non-sagging polyurethane composition onto a tear, rip and/or other abrasion on a polyurethane/geotextile composite and allowing the composition to cure, the non-sagging polyurethane composition comprising a reaction product of a mixture comprising:
  - a) a liquid polyisocyanate component;
  - b) 80-98% by weight, based on total weight of b) and c), of a liquid high molecular weight isocyanate reactive component comprising one or more hydroxyl group containing compounds having from about 2 to about 6 hydroxyl groups and a number average molecular weight of at least 250 and, 0-10% by weight based on total weight of b), of a low molecular weight diol or triol having a hydroxy equivalent weight of from about 31 to 99;
  - 2-20% by weight, based on total weight of b) and c, of an isocyanate-reactive compound containing at least two amine groups;

optionally,

d) one or more fillers in an amount of up to 80% by weight based upon the total weight of the non-sagging polyurethane composition; and

optionally,

- e) a catalyst.
- 17. The process of Claim 16, wherein the high molecular weight hydroxyl group containing compound of the liquid isocyanate reactive component b) has a number average molecular weight of from about 400 to about 4,000.

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- 18. The process of Claim 16 wherein compound c) is selected from the group consisting of diamines, polyamines, amine terminated polyethers or combinations thereof
- 19. The process of Claim 16, wherein an organo-metallic catalyst is used as catalyst e).
  - 20. The process of Claim 16, wherein the isocyanate reactive compound c) has at least two aromatic amine groups.
  - 21. The process of Claim 16, wherein the isocyanate reactive compound c) has at least two alicyclic amine groups.
- 10 22. The process of Claim 16, wherein the liquid isocyanate component a) is polymethylene poly (phenylisocyanate).
  - 23. The process of Claim 16, wherein the high molecular weight hydroxyl group containing compound of the liquid isocyanate reactive component b) is a polyether.
- 15 24. The process of Claim 23, wherein the polyether has no ethylene oxide units.
  - 25. The process of Claim 16, wherein 0% filler d) is included in the non-sagging polyurethane-forming mixture.
  - 26. The process of Claim 16, wherein no catalyst e) is included in the non-sagging polyurethane-forming mixture.
  - 27. The process of Claim 16, wherein 0% low molecular weight diol or triol is included in the liquid isocyanate reactive component b).
  - 28. The process of Claim 16, wherein the amount of polyisocyanate and polyisocyanate reactive components used to produce the non-sagging polyurethane composition is such that an isocyanate index of from 140 to 90 is achieved.
  - 29. The process of Claim 16, wherein the amount of polyisocyanate and polyisocyanate reactive components used to produce the non-sagging polyurethane composition is such that an isocyanate index range of from

30 110 to 100 is achieved.

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- 30. The process of Claim 16, wherein the liquid isocyanate reactive component b) and the isocyanate reactive compound c) are used in a ratio of 90:10 to 98:2.
- 31. A process for repairing loose and/or damaged concrete in a canal or a ditch comprising dispensing a non-sagging polyurethane composition onto a piece of or in between two or more pieces of concrete, rejoining the damaged or loose concrete with other pieces of concrete and/or a surface and allowing the composition to cure, the non-sagging polyurethane composition comprising a reaction product of a mixture comprising:

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- a) a liquid polyisocyanate component;
- b) 80-98% by weight, based on total weight of b) and c) of a liquid high molecular weight isocyanate reactive component comprising one or more hydroxyl group containing compounds having from about 2 to about 6 hydroxyl groups and a number average molecular weight of at least 250 and, 0-10% by weight, based on total weight of b), of a low molecular weight diol or triol having a hydroxy equivalent weight of from about 31 to 99;
- 2-20% by weight, based on total weight of b) and c) of an isocyanate reactive compound containing at least two amine groups;

optionally

d) one or more fillers in an amount of up to 80% by weight,
based upon the total weight of the non-sagging polyurethane composition; and

optionally

- e) a catalyst.
- 32. The process of Claim 31, wherein the high molecular weight hydroxyl group containing compound of the liquid isocyanate reactive

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component b) has a number average molecular weight of from about 400 to about 4,000.

- 33. The process of Claim 31 wherein compound c) is selected from the group consisting of diamines, polyamines, amine terminated polyethers or combinations thereof.
- 34. The process of Claim 31, wherein an organo-metallic catalyst is used as catalyst e).
- 35. The process of Claim 31, wherein the isocyanate reactive compound c) has at least two aromatic amine groups.
- 10 36. The process of Claim 31, wherein the isocyanate reactive compound c) has at least two alicyclic amine groups.
  - 37. The process of Claim 31, wherein the liquid isocyanate component a) is polymethylene poly(phenylisocyanate).
  - 38. The process of Claim 31, wherein the high molecular weight hydroxyl group containing compound of the liquid isocyanate reactive component b) is a polyether.
  - 39. The process of Claim 31, wherein the polyether has no ethylene oxide units.
  - 40. The process of Claim 31, wherein 0% filler d) is included in the non-sagging polyurethane-forming mixture.
  - 41. The process of Claim 31, wherein no catalyst e) is included in the non-sagging polyurethane-forming mixture.
  - 42. The process of Claim 31, wherein 0% low molecular weight diol or triol is included in the liquid isocyanate reactive component b).
- 25 43. The process of Claim 31, wherein the amount of polyisocyanate and polyisocyanate reactive components used to produce the non-sagging polyurethane composition is such that an isocyanate index of from 140 to 90 is achieved.
- 44. The process of Claim 31, wherein the amount of polyisocyanate30 and polyisocyanate reactive components used to produce the non-sagging

polyurethane composition is such that an isocyanate index of from 110 to 100 is achieved.

- 45. The process of Claim 31, wherein the liquid isocyanate reactive component b) and the isocyanate reactive compound c) are used in a ratio of 90:10 to 98:2.
- 46. A ditch or canal lined with a polyurethane/geotextile composite wherein the integrity of the canal and/or ditch has been maintained with a non-sagging polyurethane composition, the non-sagging polyurethane composition comprising a reaction product of a mixture comprising:

10 a) a liquid polyisocyanate component;

- b) 80-98% by weight, based on total weight of b) and c), of a liquid high molecular weight isocyanate-reactive component comprising one or more hydroxyl group containing compounds having from about 2 to about 6 hydroxyl groups and a number average molecular weight of at least 250 and, 0-10% by weight, based on total weight of b) of a low molecular weight diol or triol having a hydroxy equivalent weight of from about 31 to 99;
- 2-20% by weight, based on total weight of b) and c) of an isocyanate reactive compound containing at least two amine groups;

optionally,

 d) one or more fillers in an amount of up to 80% by weight based upon the total weight of the non-sagging polyurethane composition; and

optionally,

- e) a catalyst.
- 47. The ditch or canal of Claim 46 wherein compound c) is selected from the group consisting of diamines, polyamines, amine terminated polyethers and combinations thereof.

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